



**DECLARATION FOR PATENT APPLICATION**

As a below named inventor, I HEREBY DECLARE:

THAT my residence, post office address, and citizenship are as stated below next to my name;

THAT I believe I am the original, first, and sole inventor (if only one inventor is named below) or an original, first, and joint inventor (if plural inventors are named below or in an attached Declaration) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**THE SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS**

(Attorney Docket No. PP20480.019)

the specification of which (check one)

       is attached hereto.

  X   was filed on April 9, 2004 and assigned United States Application Number 10/822,303.

THAT I do not know and do not believe that the same invention was ever known or used by others in the United States of America, or was patented or described in any printed publication in any country, before I (we) invented it;

THAT I do not know and do not believe that the same invention was patented or described in any printed publication in any country, or in public use or on sale in the United States of America, for more than one year prior to the filing date of this United States application;

THAT I do not know and do not believe that the same invention was first patented or made the subject of an inventor's certificate that issued in any country foreign to the United States of America before the filing date of this United States application if the foreign application was filed by me (us), or by my (our) legal representatives or assigns, more than twelve months (six months for design patents) prior to the filing date of this United States application;

THAT I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above;

THAT I believe that the above-identified specification contains a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the invention, and sets forth the best mode contemplated by me of carrying out the invention; and

THAT I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I HEREBY CLAIM foreign priority benefits under Title 35, United States Code §119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's

certificate or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number	Country	Foreign Filing Date	Priority Claimed?	Certified Copy Attached?

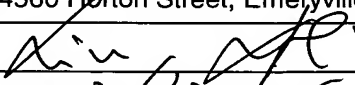
I HEREBY CLAIM the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

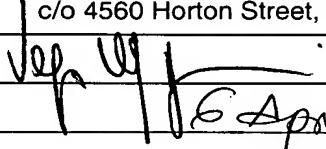
U.S. Provisional Application Number	Filing Date
60/462,218	April 10, 2003
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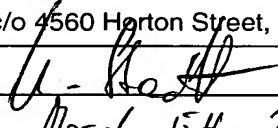
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U.S. Parent Application Number	PCT Parent Application Number	Parent Filing Date	Parent Patent Number

I FURTHER DECLARE THAT all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Name of first inventor	Rino Rappuoli
Residence (City, State)	Castelnuovo Berardenga, Italy
Citizenship	Italy
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
Date	3/27/06

Name of second inventor	Vega Massignani
Residence (City, State)	Siena, Italy
Citizenship	Italy
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
Date	6 April 2006

Name of third inventor	Konrad Stadler
Residence (City, State)	Scharnstein, Austria
Citizenship	Austrian
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
Date	March 15th, 2006

Name of fourth inventor	Jens Peter Gregersen
Residence (City, State)	
Citizenship	Germany
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
Date	

Name of fourth inventor	Jens Peter Gregersen
Residence (City, State)	
Citizenship	Germany
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
Date	

Name of fifth inventor	David Chien
Residence (City, State)	Alamo, California
Citizenship	United States
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
Date	

Name of sixth inventor	Jang Han
Residence (City, State)	Lafayette, California
Citizenship	Korea
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
Date	

Name of seventh inventor	John M. Polo
Residence (City, State)	Hayward, California
Citizenship	United States of America
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
Date	

Name of eighth inventor	Amy Weiner
Residence (City, State)	Benicia, California
Citizenship	United States of America
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
Date	

Name of ninth inventor	Michael Houghton
Residence (City, State)	Danville, California
Citizenship	United Kingdom
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
Date	

Name of tenth inventor	Hyun Chul Song
Residence (City, State)	
Citizenship	Korea
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
Date	

Name of eleventh inventor	Mi-Young Seo
Residence (City, State)	
Citizenship	Korea
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
Date	

Name of twelfth inventor	John Donnelly
Residence (City, State)	Moraga, California
Citizenship	United States
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
Date	

Name of thirteenth inventor	Hans Dieter Klenk
Residence (City, State)	
Citizenship	Germany
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
Date	

Name of fourteenth inventor	Nicholas Valiante
Residence (City, State)	
Citizenship	United States of America
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
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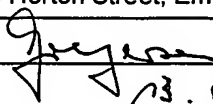


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Residence (City, State)	Castelnuovo Berardenga, Italy
Citizenship	Italy
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
Date	

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Residence (City, State)	Siena, Italy
Citizenship	Italy
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
Date	

Name of third inventor	Konrad Stadler
Residence (City, State)	
Citizenship	Germany
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
Date	

Name of fourth inventor	Jens Peter Gregersen
Residence (City, State)	Wetter, Germany
Citizenship	Germany
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
Date	13.03.2006

Name of fifth inventor	David Chien
Residence (City, State)	Alamo, California
Citizenship	United States
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
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Residence (City, State)	Lafayette, California
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Name of seventh inventor	John M. Polo
Residence (City, State)	Hayward, California
Citizenship	United States of America
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Name of tenth inventor	Hyun Chul Song
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Residence (City, State)	
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Residence (City, State)	Moraga, California
Citizenship	United States
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
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Name of thirteenth inventor	Hans Dieter Klenk
Residence (City, State)	
Citizenship	Germany
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
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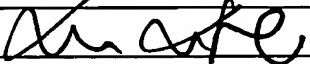
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Name of first inventor Rino Rappuoli  
 Residence (City, State) Castelnuovo Berardenga, Italy  
 Citizenship Italy  
 Post Office Address c/o 4560 Horton Street, Emeryville, California 94608  
 Inventor's signature   
 Date MAY 18, 2005

Name of second inventor Vega Massignani  
 Residence (City, State) Siena, Italy  
 Citizenship Italy  
 Post Office Address c/o 4560 Horton Street, Emeryville, California 94608  
 Inventor's signature \_\_\_\_\_  
 Date \_\_\_\_\_

Name of third inventor Konrad Stadler  
 Residence (City, State) \_\_\_\_\_  
 Citizenship Germany  
 Post Office Address c/o 4560 Horton Street, Emeryville, California 94608  
 Inventor's signature \_\_\_\_\_  
 Date \_\_\_\_\_

Name of fourth inventor Jens Peter Gregersen  
 Residence (City, State)  
 Citizenship Germany  
 Post Office Address c/o 4560 Horton Street, Emeryville, California 94608  
 Inventor's signature  
 Date

Name of fifth inventor David Chien  
 Residence (City, State) Alamo, California  
 Citizenship United States  
 Post Office Address c/o 4560 Horton Street, Emeryville, California 94608  
 Inventor's signature *David J. Chien*  
 Date *May 13, 2005*

Name of sixth inventor Jang Han  
 Residence (City, State) Lafayette, California  
 Citizenship *JH* ~~Korea~~ USA  
 Post Office Address c/o 4560 Horton Street, Emeryville, California 94608  
 Inventor's signature *JH Han*  
 Date *March 13, 2005*

Name of seventh inventor John M. Polo  
 Residence (City, State) *JP* ~~Danville~~ Hayward, California  
 Citizenship United States of America  
 Post Office Address c/o 4560 Horton Street, Emeryville, California 94608  
 Inventor's signature *JP Polo*  
 Date *March 6, 2006*




Name of eighth inventor	Amy Weiner
Residence (City, State)	<del>Benicia</del> , California <i>Fairfield, CA 9706</i>
Citizenship	United States of America
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	<i>Amy Weiner</i>
Date	<i>5/13/2006</i>

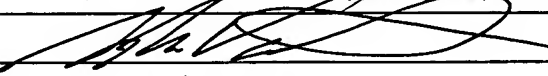
Name of ninth inventor	Michael Houghton
Residence (City, State)	Danville, California
Citizenship	United Kingdom
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	<i>M Houghton</i>
Date	<i>3/13/06</i>

Name of tenth inventor	Hyun Chul Song
Residence (City, State)	
Citizenship	Korea
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	<i>H. Song</i>
Date	<i>3-06-2006</i>

Name of eleventh inventor	Mi-Young Seo
Residence (City, State)	
Citizenship	Korea
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
Date	

Name of twelfth inventor John Donnelly  
Residence (City, State) Moraga, California  
Citizenship United States  
Post Office Address c/o 4560 Horton Street, Emeryville, California 94608  
Inventor's signature   
Date March 6, 2006

Name of thirteenth inventor Hans Dieter Klenk  
Residence (City, State)  
Citizenship Germany  
Post Office Address c/o 4560 Horton Street, Emeryville, California 94608  
Inventor's signature  
Date

Name of fourteenth inventor Nicholas Valiante  
Residence (City, State) FREMONT, CA  
Citizenship United States of America  
Post Office Address c/o 4560 Horton Street, Emeryville, California 94608  
Inventor's signature   
Date 5-13-2005



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60/462,218	April 10, 2003
60/462,465	April 11, 2003
60/462,418	April 12, 2003
60/462,748	April 13, 2003
60/463,109	April 14, 2003
60/463,460	April 15, 2003
60/463,668	April 16, 2003
60/463,983	April 17, 2003
60/463,971	April 18, 2003
60/464,899	April 22, 2003
60/464,838	April 22, 2003
60/465,273	April 23, 2003
60/465,535	April 24, 2003
60/468,312	May 5, 2003
60/473,144	May 22, 2003
60/495,024	August 14, 2003
60/505,652	September 23, 2003
60/510,781	October 11, 2003
60/529,464	December 11, 2003
60/536,177	January 12, 2004
Not Yet Assigned " Nucleic Acids and Proteins From Severe Acute Respiratory Syndrome"	April 7, 2004

I HEREBY CLAIM the benefit under Title 35, United States Code, §120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of

Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Application Number	Parent Filing Date	Parent Patent Number

I FURTHER DECLARE THAT all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Name of first inventor Rino Rappuoli  
 Residence (City, State) Castelnuovo Berardenga, Italy  
 Citizenship Italy  
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 Inventor's signature \_\_\_\_\_  
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 Date \_\_\_\_\_

Name of third inventor Konrad Stadler  
 Residence (City, State) \_\_\_\_\_  
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Name of fourth inventor	Jens Peter Gregersen
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Name of fifth inventor	David Chien
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Date	

Name of sixth inventor	Jang Han
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Inventor's signature	
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Name of seventh inventor	John M. Polo
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Inventor's signature	
Date	

Name of eighth inventor	Amy Weiner
Residence (City, State)	Benicia, California
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Inventor's signature	
Date	

Name of ninth inventor	Michael Houghton
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Citizenship	United Kingdom
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Inventor's signature	
Date	

Name of tenth inventor	Hyun Chul Song
Residence (City, State)	
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Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
Date	

Name of eleventh inventor	Mi-Young Seo
Residence (City, State)	
Citizenship	Korea
Post Office Address	c/o 4560 Horton Street, Emeryville, California 94608
Inventor's signature	
Date	

Name of twelfth inventor John Donnelly  
Residence (City, State) Moraga, California  
Citizenship United States  
Post Office Address c/o 4560 Horton Street, Emeryville, California 94608  
Inventor's signature  
Date

Name of thirteenth inventor Hans Dieter Klenk  
Residence (City, State) Harburg, Germany  
Citizenship Germany  
Post Office Address c/o 4560 Horton Street, Emeryville, California 94608  
Inventor's signature  
Date November 16, 2005

Name of fourteenth inventor Nicholas Valiante  
Residence (City, State)  
Citizenship United States of America  
Post Office Address c/o 4560 Horton Street, Emeryville, California 94608  
Inventor's signature  
Date





Chiron Dkt. No. PP20480.019

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I HEREBY DECLARE:

THAT my residence, post office address, and citizenship are as stated below next to my name;

THAT I believe I am the original, first, and sole inventor (if only one inventor is named below) or an original, first, and joint inventor (if plural inventors are named below or in an attached Declaration) of the subject matter which is claimed and for which a patent is sought on the invention entitled

THE SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS(Attorney Docket No. PP20480.019)

the specification of which (check one)

  X   is attached hereto.       was filed on        as United States Application Number       .

THAT I do not know and do not believe that the same invention was ever known or used by others in the United States of America, or was patented or described in any printed publication in any country, before I (we) invented it:

THAT I do not know and do not believe that the same invention was patented or described in any printed publication in any country, or in public use or on sale in the United States of America, for more than one year prior to the filing date of this United States application;

THAT I do not know and do not believe that the same invention was first patented or made the subject of an inventor's certificate that issued in any country foreign to the United States of America before the filing date of this United States application if the foreign application was filed by me (us), or by my (our) legal representatives or assigns, more than twelve months (six months for design patents) prior to the filing date of this United States application;

THAT I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above;

THAT I believe that the above-identified specification contains a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the invention, and sets forth the best mode contemplated by me of carrying out the invention; and

Chiron Dkt. No. PP20480.019

THAT I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I HEREBY CLAIM foreign priority benefits under Title 35, United States Code §119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number	Country	Foreign Filing Date	Priority Claimed?	Certified Copy Attached?

I HEREBY CLAIM the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

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60/462,465	April 11, 2003
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60/473,144	May 22, 2003
60/495,024	August 14, 2003
60/505,652	September 23, 2003
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60/536,177	January 12, 2004
Not Yet Assigned " Nucleic Acids and Proteins From Severe Acute Respiratory Syndrome"	April 7, 2004

Chiron Dkt. No. PP20480.019

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U.S. Parent Application Number	PCT Parent Application Number	Parent Filing Date	Parent Patent Number

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Name of first inventor	Rino Rappuoli
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Date	

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Inventor's signature	
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Chiron Dkt. No. PP20480.019

Name of third inventor	Konrad Stadler
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Inventor's signature	
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Name of fourth inventor	Jens Peter Gregersen
Residence (City, State)	
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Inventor's signature	
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Name of fifth inventor	David Chien
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Inventor's signature	
Date	

Name of sixth inventor	Jang Han
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Date	

Chiron Dkt. No. PP20480.019

Name of seventh inventor	John M. Polo
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Date	

Name of eighth inventor	Amy Weiner
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Citizenship	United States of America
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Inventor's signature	
Date	

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Date	

Name of tenth inventor	Hyun Chul Song
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Date	

Chiron Dkt. No. PP20480.019

Name of eleventh inventor	Mi-Young Seo
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Date	10/1/2004

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Name of thirteenth inventor	Hans Dieter Klenk
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Inventor's signature	
Date	

Name of fourteenth inventor	Nick Valiante
Residence (City, State)	
Citizenship	United States of America
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Inventor's signature	
Date	